INTERNATIONAL SEARCH REPORT

Internation No PCT/EP2005/002562

A. CLASSII IPC 7	FICATION OF SUBJECT MATTER H04L1/18									
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC								
B. FIELDS	SEARCHED									
Minimum do IPC 7	ocumentation searched (classification system followed by classification HO4L	on symbols)								
Documentati	tion searched other than minimum documentation to the extent that s	uch documents are include	d in the fields searched							
Electronic da	ata base consulted during the international search (name of data bas	se and, where practical, se	arch terms used)							
EPO-Internal										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category °	Citation of document, with indication, where appropriate, of the rela	evant passages	Relevant to claim No.							
X	EP 1 244 240 A (LG ELECTRONICS IN 25 September 2002 (2002-09-25) paragraph '0002! paragraph '003		1,3-8, 18,21-29							
	paragraph '0076! paragraph '0100! paragraph '0111! – paragraph '011 paragraph '0149! – paragraph '015 paragraph '0223! – paragraph '022 figure 2	•								
Y			2							
Х	DE 101 08 800 A (SIEMENS AG) 5 September 2002 (2002-09-05) abstract paragraph '0015! paragraph '0025!		1,22-28							
		-/								
	_	./								
χ Furth	her documents are listed in the continuation of box C.	X Patent family men	nbers are listed in annex.							
° Special cal	legories of cited documents :	"T" later document publish	ed after the international filling date							
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "E" decrease of priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "E" decrease of particular relevance to be observed invention.										
filing da *L* docume	filling date "L" document which may throw doubts on priority claim(s) or "L" document which may throw doubts on priority claim(s) or "L" document which may throw doubts on priority claim(s) or "N" document of particular relevance; the claimed invention cannot be considered to Involve an Inventive step when the document is taken alone									
which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such document is combined with one or more other such document is										
other n "P" docume later th	tion being obvious to a person skilled the same patent family									
Date of the a	actual completion of the international search	Date of mailing of the i	international search report							
24	4 May 2005	02/06/2005								
Name and m	nailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2	Authorized officer								
	NL – 2280 HV Fijiswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Draper, A	·. •							

INTERNATIONAL SEARCH REPORT

Internation No
PCT/EP2005/002562

		PCT/EP2005/002562							
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.							
X	US 5 657 325 A (LOU HUI LING ET AL) 12 August 1997 (1997-08-12) column 1, line 46 - line 65 claim 8	1,22-28							
Y	US 2003/088822 A1 (KIM HUN-KEE ET AL) 8 May 2003 (2003-05-08) paragraph '0030!	2							
A	US 2002/159384 A1 (GHOSH AMITAVA ET AL) 31 October 2002 (2002-10-31) abstract paragraph '0001! paragraph '0017! - paragraph '0018!	2							
Α	US 2003/153276 A1 (TERRY STEPHEN ET AL) 14 August 2003 (2003-08-14) paragraph '0002! - paragraph '0009!	2							
A	EP 1 207 646 A (MATSUSHITA ELECTRIC IND CO LTD) 22 May 2002 (2002-05-22) paragraph '0003! paragraph '0010! paragraph '0017! paragraph '0023! paragraph '0035!	4							
A	WO 2004/017557 A (QUALCOMM INC) 26 February 2004 (2004-02-26) paragraph '0005! paragraph '0022! paragraph '0037!								

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internation No PCT/EP2005/002562

					• • • • • • • • • • • • • • • • • • • 	.003/002302
Patent document cited in search report	_	Publication date		Patent family member(s)		Publication date
EP 1244240	Α	25-09-2002	KR	2002074739	A	04-10-2002
	• •	00 2002	KR	2003021937		15-03-2003
			CN	1376000		23-10-2002
			EP	1244240		25-09-2002
			US	2002176362		28-11-2002
			US	2005058154	A1	17-03-2005
DE 10108800	Α	05-09-2002	DE	10108800		05-09-2002
			WO	02067487	A1	29-08-2002
US 5657325	Α	12-08-1997	US	5689439	A	18-11-1997
			US	6157612	Α	05-12-2000
			CA	2172320		01-10-1996
			EP	0735701		02-10-1996
			ĈA	2171998		04-10-1996
			EP	0736979		09-10-1996
			JP			01-11-1996
	- <u>-</u>		JP	8288934 	^ 	01-11-199
US 2003088822	A1	08-05-2003	KR	2003015799	Α	25-02-200
US 2002159384	A1	31-10-2002	BR	0209261	Α	15-06-2004
			EP	1386440	A1	04-02-2004
			JP	2005503692		03-02-200
			WO	02089389		07-11-200
US 2003153276	A1	14-08-2003	 AU	2003213030	A1	04-09-200:
			CA	2475859		21-08-2003
			DE	20302243		10-07-200
			DE	20302244		18-06-200
			EP	1483754		08-12-200
						01-05-200
			TW	586715		
			TW	580229		11-03-200
	~	عه برد در د	MO	03069824	A2	21-08-200
EP 1207646	Α	22-05-2002	JP	2002009692		11-01-2002
			AU	7460701	Α	02-01-2002
			EP	1207646		22-05-200
			CN	1381118	A,C	20-11-200
			MO	0199328		27-12-200
			ÜŞ	2002114404		22-08-200
			~~~			
WO 2004017557	Α	26-02-2004	AU	2003265603		03-03-200
			EP	1530845		18-05-200
			MO	2004017557 2004100896		26-02-2004 27-05-2004
			US			